

Cert. No: LF20170003



中国认可
国际互认
CNAS
2015001701W

Certificate of Test

Client: Yongkang Longkui Protective Equipment Co., Ltd.

Address: No.366, Kechuang Road, The Economic Development Zone,
Yongkang City, Zhejiang,China

Sample Name: Ballistic Insert

Physical and Chemical Inspection Center in Non-metals
Material of Ordnance Industries

Jan.09.2017

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Sample Name	Ballistic Insert	Test Type	Consignment Test
Client	Yongkang Longkui Protective Equipment Co., Ltd.	Address	No.366, Kechuang Road, The Economic Development Zone, Yongkang City, Zhejiang, China
Contact Person	Jet Shi	Phone	18969388688
Date Received	01/06/2017	Date Tested	01/06/2017
Sample Amount	1	Sample No.	FDB-LK-170106
Categories	Ballistic Resistance	Standard	NIJ 0101.06 Level III

Test Conclusion

The Ballistic Insert (Sample No.: FDB-LK-170106) provided by Yongkang Longkui Protective Equipment Co., Ltd. was tested according with NIJ 0101.06 Level III. Under normal temperature and humidity, no perforation occurs after 6 fair shots with 7.62mm NATO FMJ, no Backface Signature (BFS) depth exceeds 44mm and the maximum BFS depth is 37.3mm.

Laboratory configuration, sample description and test results are showed from page 3 to 5.

**Physical and Chemical Inspection Center
in Non-metals Material of Ordnance Industries**

Jan.09/2017

Prepared By: *Wang Wei*

Reviewed By: *Renzhang*

Approved By: *Zhonghaibao*



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Laboratory Configuration

Test Unit	Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries
Ambient Test Conditions	Temperature: 11°C; Relative Humidity: 54%.
Setup	Weapons: M14 7.62mm Automatic Rifle Bullets: 7.62mm NATO FMJ Electrical chronometer. Standard measures. Electronic Balance.
Test Range	15m
Angle of Incidence	0°

Sample Description

Sample No.	FDB-LK-170106
Configuration	PE composites
Remarks	Blank

Recorded By: *Wang Wei*

Checked By: *Wang Xueai*

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Results of Ballistic Resistance Test

Sample Parameters			
Sample No.	Size(L×W×T)mm	Weight (g)	Conditioning
FDB-LK-170106	300 × 250 × 18.9	1460	Normal Temperature and Humidity
Test Results			
Shot No.	Velocity(m/s)	Results	BFS Depth(mm)
1	839.6	Stop	34.0
2	833.0	Stop	36.2
3	834.7	Stop	36.0
4	836.1	Stop	37.3
5	834.0	Stop	34.6
6	838.2	Stop	36.8
	Blank		
Remarks	Clay Drops: 17.5mm, 18.9mm, 17.9mm, 19.4mm, 18.3mm.		
Tested By: <i>Wang Wei</i>		Checked By: <i>Wang Jueci</i>	

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Attached Pictures



Fig. 1 Ballistic Insert FDB-LK-170106 (strike face)



Fig. 2 Ballistic Insert FDB-LK-170106 (wear face)

(KT-034) Product Technical Data Sheet

Product name	KT-034
Material	UHMWPE
Level	NIJ III
Color	White
Density	19.5 KG/M ²
Thickness	20MM